

**INTERPRETATIONS & APPLICATIONS
OF BUILDING CODES & REGULATIONS #98-9**



CODE SECTION : UBC TABLE 16-O

04/02/98

SUBJECT : SUSPENDED LAY-IN GRID CEILINGS

All lighting fixtures shall be positively attached to the suspended ceiling system. The attachment device shall have a capacity of 100 percent of the lighting fixture weight acting in any direction. When intermediate systems are used, No. 12 gage (2.7 mm) hangers shall be attached to the grid members within 3 inches (76 mm) of each corner of each fixture. Tandem fixtures may utilize common wires

Lighting fixtures weighing less than 56 pounds (25.4 kg) shall have, in addition to the requirements outlined above, two No. 12 gage (2.7 mm) hangers connected from the fixture housing to the structure above. These wires may be slack.

Lighting fixtures weighing 56 pounds (25.4 kg) or more shall be supported directly from the structure above by approved hangers.

Pendant hung lighting fixtures shall be supported directly from the structure above with No. 9 gage (3.8 mm) wire or approved alternate support without using the ceiling suspension system for direct support

Ceiling-mounted air terminals or services weighing less than 20 pounds (9.07 kg) shall be positively attached to the ceiling suspension main runners or to cross runners with the same carrying capacity as the main runners.

Terminals or services weighing 20 pounds (9.07 kg), but not more than 56 pounds (25.4 kg), in addition to the above, shall have two No. 12 gage (2.7 mm) hangers connected from the terminal or service to the ceiling system hangers or to the structure above.

These wires may be slack.

Terminals or services weighing more than 56 pounds (25.4 kg) shall be supported directly from the structure above by approved hangers

Lateral bracing of the ceiling system is not required if the system does not provide lateral bracing for walls.